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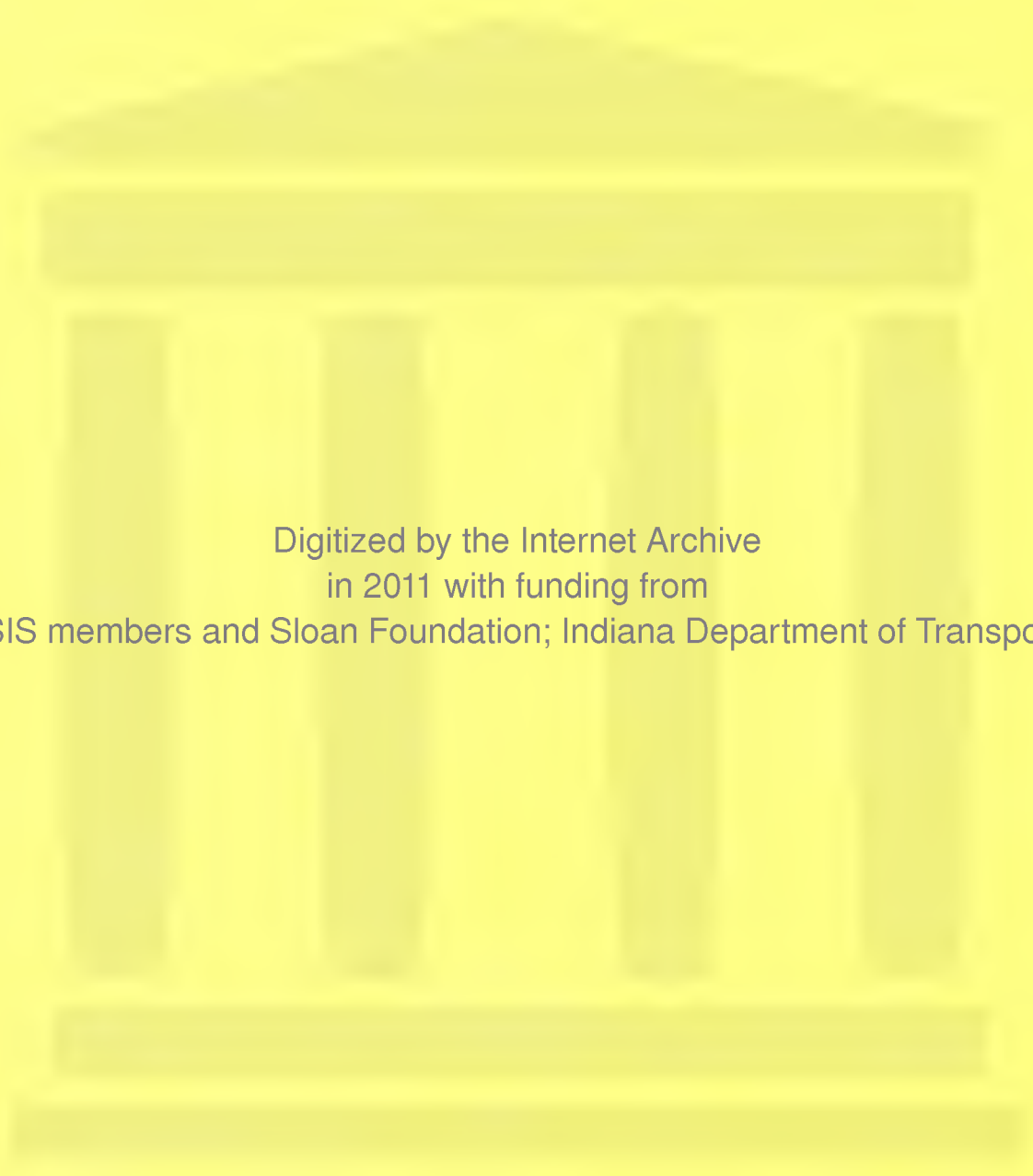
JHRP-76-20

TRAFFIC SPEED REPORT NO. 96

A. A. Gadallah

G. K. Stafford





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TRAFFIC SPEED REPORT NO. 96

TO: J. F. McLaughlin, Director  
Joint Highway Research Project

June 23, 1976

FROM: H. L. Michael, Associate Director  
Joint Highway Research Project

File: 8-3-3

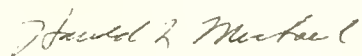
Project: C-36-10C

The attached Progress Report No. 96 on Traffic Speeds is the report of the January-March quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. A. A. Gadallah, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data were collected by Mr. G. K. Stafford and a number of graduate assistants on our staff.

The results indicate a decrease of about 0.6 mph in the average speed of all passenger cars and heavy trucks to that of the October-December 1975 Study. This decrease occurred largely on 2-lane roads with a slight increase measured on rural interstate highways.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police, the Indiana Traffic Safety Council and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,



Harold L. Michael  
Associate Director

HLM/ss

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16. Abstract <p>This report is another on the continuing study of speeds of vehicles on Indiana Highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the months of February and March 1976.</p> <p>Analysis of the speeds showed the overall average speed for all vehicles was 56.8 mph. The overall average speed for passenger cars and all trucks was 57.3 mph and 55.6 mph, respectively. These overall average speeds are 0.6 mph, 0.5 mph and 0.7 mph less for all vehicles, passenger cars, and all trucks, respectively, as compared to the data collected in October-November 1975 (speed report no. 95).</p>			
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Progress Report  
TRAFFIC SPEED REPORT NO. 96

by

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Joint Highway Research Project

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and the

U. S. Department of Transportation  
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University  
West Lafayette, Indiana  
June 23, 1976







## TRAFFIC SPEED REPORT NO. 96

This report is an analysis of spot speed observations made during February and March 1976. All observations were made of free-flowing vehicles on level, tangent sections of rural and urban highways during daylight and under favorable conditions. Seven stations were studied from the same locations on selected Federal and State highways as used in the previous annual studies.

Stations were classified as two-lane, four-lane, rural interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations were as follows: (See Figure A)

Rural Interstate Highways

- |          |   |
|----------|---|
| *1. I-69 | 3.3 miles south of Junction of SR 18    |
| *2. I-65 | 1.0 miles west of Junction of SR 334    |
| 3. I-74  | 1.0 miles east of Junction of Post Road |
| 4. I-65  | 7.5 miles north of Junction of SR 160   |

Four Lane Highways

- |             |   |
|-------------|---|
| 5. U.S. 31  | 1.2 miles south of Junction of SR 38      |
| *6. U.S. 30 | 2.0 miles east of Junction of SR 49       |
| 7. U.S. 41  | 1.0 miles north of South Junction of SR 2 |
| *8. U.S. 52 | 1.0 miles west of Klondike                |

Two Lane Highways

- |              |                                      |
|--------------|--------------------------------------|
| *9. U.S. 35  | 1.5 miles east of Junction of I-69   |
| 10. S.R. 43  | 2.0 miles south of Chalmers          |
| 11. U.S. 231 | 1.0 mile south of Junction of SR 234 |
| *12. S.R. 25 | 0.7 miles west of Americus           |

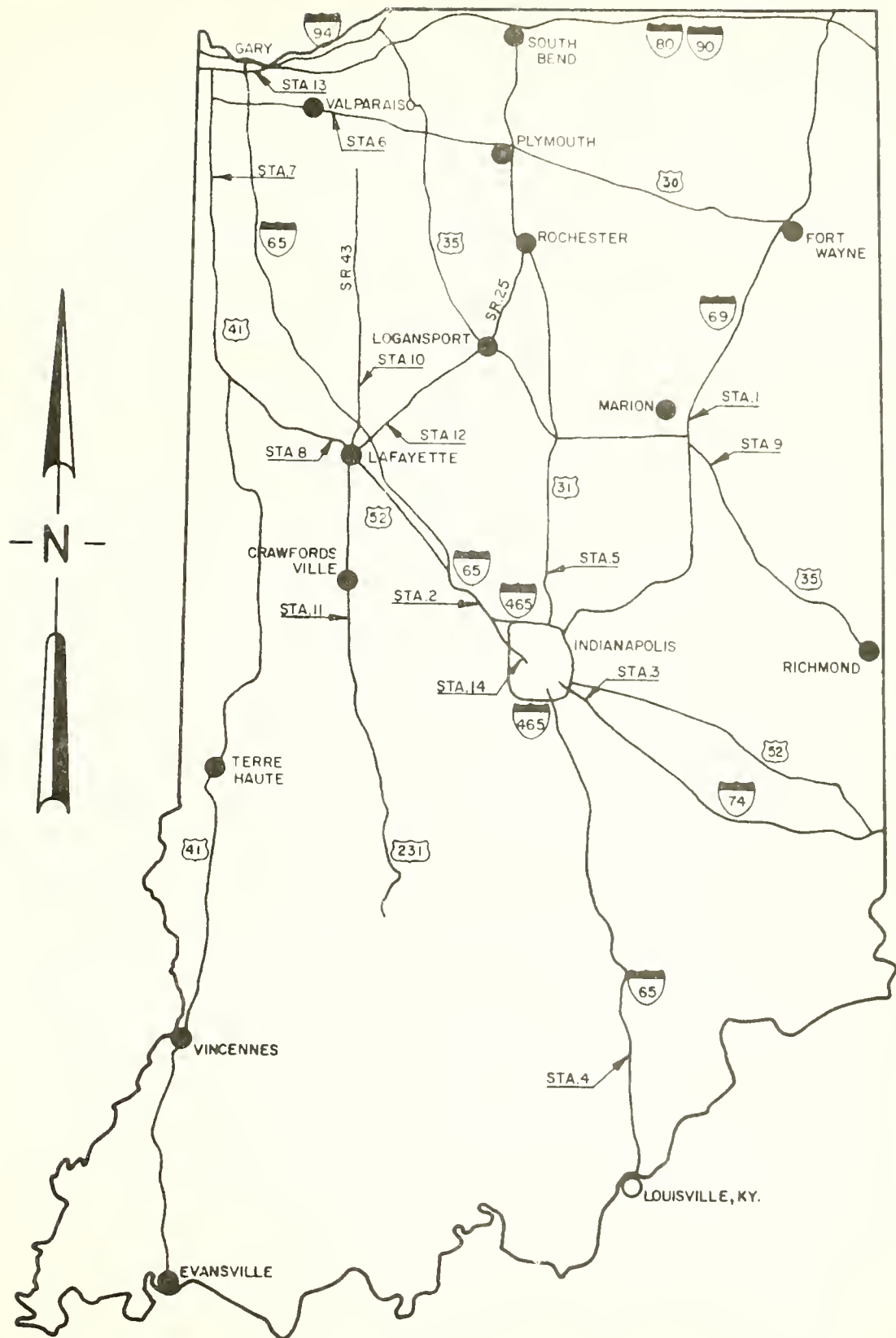
Urban Interstate Highways

- |           |                     |
|-----------|---------------------|
| 13. I-94  | Near Burr           |
| *14. I-65 | East of White River |

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\*Stations used in this study.





### FIGURE A LOCATIONS OF SPEED-STUDY STATIONS



The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

#### Equipment and Field Procedure

The observations for this study were obtained by use of an "Electromatic" Radar Speed Meter. The meter was placed approximately four feet from the edge of the pavement at angles less than  $10^{\circ}$  with the highway center line. No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

#### RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 7 in the Appendix. Tables 8, 9 and 10 summarize the data for rural interstate, four lane and two lane highways, respectively. Table 11 is the summary for all highways. Tables 12 through 19 are summaries in an FHWA format which is desired. The average speed for each classification of vehicles on each type of highway for this study was as follows:



	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
<u>Passenger Cars:</u>				
Indiana	57.2	57.4	57.7	56.4
Non-Indiana	57.5	58.0	58.6	55.9
All Passenger Cars	57.2	57.5	57.8	56.4
85 Percentile (all)	61.0	61.8	62.2	60.5
<u>Trucks:</u>				
Less than 5000 lbs.	57.0	56.5	57.0	55.2
5000 lbs. or more	54.4	56.7	54.9	53.4
<u>All Vehicles:</u>				
Average	56.9	57.3	57.4	55.8
85 Percentile	60.6	61.5	61.9	59.9

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
<u>Passenger Cars:</u>				
Indiana	67.0	66.5	68.3	56.2
Non-Indiana	61.3	71.7	78.4	50.0
All Passenger Cars	66.5	67.9	69.7	55.6
<u>Trucks:</u>				
Less than 5000 lbs.	68.6	54.6	61.0	45.4
5000 lbs. or more	55.8	53.4	49.5	44.0
<u>All Vehicles:</u>	65.4	64.6	66.3	51.4





The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
			<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	19.9	23.1	29.0	16.5
Non-Indiana	22.6	25.6	34.0	14.8
All Passenger Cars	20.1	23.8	29.7	16.4
<u>Trucks:</u>				
Less than 5000 lbs.	17.2	17.6	27.6	13.8
5000 lbs. or more	3.9	23.3	11.9	6.0
<u>All Vehicles:</u>	18.0	22.9	27.4	14.8

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follow:

	<u>Interstate</u>		<u>Other</u>	
	<u>Urban</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
			<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	2.9	5.0	6.9	4.9
Non-Indiana	0.0	5.6	4.1	1.9
All Passenger Cars	2.7	5.1	6.5	4.6
<u>Trucks:</u>				
Less than 5000 lbs.	5.7	2.8	10.6	2.6
5000 lbs. or more	0.0	4.9	2.0	1.0
<u>All Vehicles:</u>	2.6	4.8	6.5	3.9



### Summary and Conclusions

The overall average speed for all vehicles and passenger cars in this study was found to be 56.8 mph and 57.3 mph, respectively. The overall average speeds for heavy trucks and for all trucks were found to be 54.9 mph and 55.6 mph, respectively. These overall average speeds are 0.6 mph, 0.5 mph, and 0.7 mph less for all vehicles, passenger cars, and all trucks, respectively, than the results of October-November 1975.

Table A presents a comparison of the overall speed results with that of the previous two studies. The 85th percentile speed of passenger cars was about the same as that of the October-November 1975 study on all highways, and decreased 1.9 mph from the July-September 1975 annual speed study to 61.5 mph.

A comparison of February-March 1976 speed data with that for other recent periods for several types of highway for passenger cars and trucks is shown in Tables B, C and D. The data for the May-June 1975, October-November 1975 and February-March 1976 periods are for only a portion of the stations.

The reduction in the average speeds and 85th percentile speeds occurred mainly on two-lane highways (as compared to the October-November 1975 study). On the other four-lane highways a slight decrease occurred for the average speeds and the 85th percentile speeds. However, a slight increase occurred for the average speeds and the 85th percentile speeds on interstate highways.



TABLE A  
COMPARISON OF THE OVERALL SPEED RESULTS

	<u>Feb.-March 1976</u>	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>
<u>Average:</u>			
All Passenger Cars	57.3	57.8	58.7
Heavy Trucks	54.9	56.3	57.4
All Trucks	55.6	56.3	57.4
<u>85 Percentile:</u>			
All Passenger Cars	61.5	61.8	63.4
Heavy Trucks	59.5	60.5	62.5
All Trucks	60.2	60.7	62.5
<u>15 Percentile:</u>			
Heavy Trucks	49.3	51.2	51.5





TABLE B  
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	<u>Feb.-March 1976</u>	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>May-June 1975</u>
<u>Passenger Cars:</u>				
Indiana	57.4	56.8	59.7	57.4
Non-Indiana	58.0	57.1	60.2	57.4
All Passenger Cars	57.5	56.9	59.9	57.4
85 Percentile (all)	61.8	60.4	64.2	60.9
<u>Trucks:</u>				
Less than 5000 lbs.	56.5	55.9	58.2	56.6
5000 lbs. or more	56.7	56.5	59.3	56.7

TABLE C  
AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	<u>Feb.-March 1976</u>	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>May-June 1975</u>
<u>Passenger Cars:</u>				
Indiana	57.7	58.2	57.6	58.6
Non-Indiana	58.6	58.7	58.1	58.4
All Passenger Cars	57.8	58.3	57.7	58.6
85 Percentile (all)	62.2	62.3	62.0	63.3
<u>Trucks:</u>				
Less than 5000 lbs.	57.0	56.0	56.4	56.9
5000 lbs. or more	54.9	55.7	55.9	55.4

TABLE D  
AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	<u>Feb.-March 1976</u>	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>May-June 1975</u>
<u>Passenger Cars:</u>				
Indiana	56.4	57.5	57.2	57.1
Non-Indiana	55.9	57.1	57.4	57.7
All Passenger Cars	56.4	57.4	57.8	57.1
85 Percentile (all)	60.5	62.5	62.5	62.3
<u>Trucks:</u>				
Less than 5000 lbs.	55.2	56.4	57.5	55.6
5000 lbs. or more	53.4	55.4	56.2	53.6



## APPENDIX A

Speed Data (Tables 1 to 11)



TABLE 1 SPEED DATA

Station 1 Highway I-69 Location 3.3 miles south of Junction of SR 18  
 No. of Lanes 4 Type of Surface Portland Cement Concrete Weather Clear  
 This Observation Last Previous Observation (Speed Report No. 94)\*  
 Date 3/23/76 Date 8/27/75  
 Time 2:22 - 4:37 PM Time 11:40 - 1:55 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	288	322	174	215	114	107	112	103	28	52	84	51
Ave. speed (m.p.h.)	58.59	57.44	58.75	57.28	58.35	57.75	57.77	56.64	56.64	55.94	58.14	57.35
Standard deviation	4,480	4,294	4,685	4,540	4,156	3,752	4,364	4,627	4,030	3,632	4,429	5,403
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	0.0	0.31	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	1.39	2.17	1.15	2.79	1.75	0.93	2.68	3.88	3.57	1.92	2.38	5.88
54 m.p.h.	16.67	22.67	16.67	23.72	16.67	20.56	20.54	33.98	32.14	36.54	16.67	31.37
59 m.p.h.	60.07	72.67	58.62	74.88	62.28	68.22	67.86	74.76	82.14	84.62	63.10	64.71
64 m.p.h.	92.01	95.65	90.23	95.81	94.74	95.33	93.75	94.17	100.0	100.0	91.67	88.24
69 m.p.h.	98.26	99.07	97.70	99.07	99.12	99.07	99.11	99.03	100.0	100.0	98.81	98.04
74 m.p.h.	99.65	99.38	99.43	99.07	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	100.0	99.69	100.0	99.53	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	141	156	88	104	53	52	56	55	12	30	44	25
Average speed	59.16	59.21	59.15	59.28	59.17	59.06	58.23	58.62	56.92	56.77	58.59	60.84
No. of vehicles obs.	147	166	86	111	61	55	56	48	16	22	40	26
Average speed	58.05	55.78	58.34	55.41	57.64	56.51	57.30	54.38	56.44	54.82	57.65	54.00

\* Annual traffic speed study.





TABLE 2 SPEED DATA

Station 2 Highway I-65 Location 1.0 miles west of Junction of SR 334  
 No. of Lanes 4 Type of Surface Portland Cement Concrete Weather Hazy (dry)  
 This Observation  
 Date 2/10/76 Last Previous Observation (Speed Report No. 94)  
 Time 11:07 - 1:25 PM Date 9/18/75  
 Time 10:00 - 2:55 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	296	339	165	266	131	73	131	108	31	56	100	52
Ave. speed (m.p.h.)	60.80	57.65	60.42	57.47	61.27	58.27	59.70	56.47	58.68	56.93	60.02	55.98
Standard deviation	4.680	5.168	4.580	5.233	4.778	4.908	4.736	4.833	4.874	5.073	4.671	4.557
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	0.34	0.29	0.0	0.38	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	2.03	4.72	3.03	5.64	0.76	1.37	1.53	6.48	3.23	5.36	1.00	7.69
54 m.p.h.	7.77	29.79	7.88	31.20	7.63	24.66	12.98	36.11	16.13	32.14	12.00	40.38
59 m.p.h.	36.49	63.72	39.39	65.04	32.82	58.90	47.33	70.37	54.84	69.64	45.00	71.15
64 m.p.h.	80.74	92.04	83.64	92.48	77.10	90.41	86.26	96.30	90.32	92.86	85.00	100.0
69 m.p.h.	96.62	97.94	96.36	97.74	96.95	98.63	96.95	99.07	96.77	98.21	97.00	100.0
74 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	148	158	90	121	58	37	57	60	8	33	49	27
Average speed	60.58	59.08	60.28	58.65	61.05	60.46	59.89	58.37	57.62	58.39	60.27	58.33
No. of vehicles obs.	148	181	75	145	73	36	74	48	23	23	51	25
Average speed	61.02	56.40	60.60	56.49	61.45	56.03	59.55	54.10	59.04	54.83	59.78	53.44

All Vehicles

End End





TABLE 3 SPEED DATA

Station 6 Highway US 30 Location 2.0 miles east of Junction of SR 49  
 No. of Lanes 4 Type of Surface Asphalt Concrete Weather Cloudy  
 This Observation Last Previous Observation (Speed Report No. 95)  
 Date 3/18/76 Date 9/17/75  
 Time 10:55 - 2:10 PM Time 10:46 - 1:46 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	287	312	197	234	90	78	134	111	32	60	102	51
Ave. speed (m.p.h.)	58.65	58.22	58.36	58.04	59.08	58.76	58.01	57.02	57.50	57.58	58.18	56.35
Standard deviation	4.624	4.389	4.979	4.494	3.721	4.039	4.814	4.967	6.520	5.146	4.166	4.711
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0	3.13	0.9	0.0	0.0
44 m.p.h.	0.35	0.0	0.51	0.0	0.0	0.0	1.49	0.0	6.25	0.0	0.0	0.0
49 m.p.h.	3.83	2.56	5.08	2.99	1.11	1.28	5.97	7.21	9.38	3.33	4.90	11.76
54 m.p.h.	16.03	19.23	18.78	20.09	10.00	16.67	20.15	29.73	28.13	31.67	17.65	27.45
59 m.p.h.	58.54	62.82	60.41	66.24	54.44	52.56	58.21	72.97	56.25	68.33	58.82	78.43
64 m.p.h.	89.90	93.59	88.83	93.59	92.22	93.59	92.54	92.79	87.50	90.00	94.12	96.08
69 m.p.h.	99.30	99.68	99.49	99.57	98.89	100.0	100.0	98.20	100.0	96.67	100.0	100.0
74 m.p.h.	99.65	100.0	99.49	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	142	153	83	115	59	38	75	58	18	32	57	26
Average speed	58.73	58.80	58.51	58.62	59.05	59.37	57.92	57.95	57.39	58.97	58.09	56.69
No. of vehicles obs.	145	159	114	119	31	40	59	53	14	28	45	25
Average speed	58.57	57.66	58.42	57.49	59.13	58.17	58.14	56.00	67.64	56.00	58.29	56.00

All Vehicles

Bnd Bnd



TABLE 4 SPEED DATA

Station 8 Highway U.S. 52 Location 1.0 miles west of Klondike Weather Partly Cloudy  
 No. of Lanes 4 Type of Surface Asphalt Concrete  
 This Observation Last Previous Observation (Speed Report No. 94)  
 Date 3/26/76 Date 8/21/75  
 Time 8:53 - 1:10 Time 9:00 - 1:05 PM

		PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	OBSERVATION												
	No. of vehicles obs.	287	368	236	349	51	19	132	113	79	63	53	50
	Ave. speed (m.p.h.)	56.22	57.49	56.06	57.45	56.92	58.16	54.54	55.07	56.28	56.37	51.94	53.44
	Standard deviation	5.548	5.482	5.593	5.467	5.329	5.862	7.638	6.676	6.708	7.285	8.247	5.463
	24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	1.52	1.77	0.0	3.17	3.77	0.0
	39 m.p.h.	0.70	0.0	0.85	0.0	0.0	0.0	3.79	1.77	0.0	3.17	9.43	0.0
	44 m.p.h.	1.74	1.09	2.12	1.15	0.0	0.0	7.58	6.19	2.53	3.17	15.09	10.00
	49 m.p.h.	11.15	6.52	11.44	6.59	9.80	5.26	22.73	15.93	16.46	15.87	32.08	16.00
	54 m.p.h.	36.59	29.08	36.86	29.23	35.29	26.32	49.24	46.02	40.51	38.10	62.26	56.00
	59 m.p.h.	74.91	66.03	76.27	66.19	68.63	63.16	78.79	75.22	75.95	65.08	83.02	88.00
	64 m.p.h.	93.97	90.49	93.22	91.12	96.08	78.95	91.67	91.15	88.61	85.71	96.23	98.00
	69 m.p.h.	99.30	98.10	99.58	98.28	98.04	94.74	96.21	100.0	94.94	100.0	98.11	100.0
Bnd	No. of vehicles obs.	147	205	120	195	27	10	56	56	37	31	19	25
	Average speed	58.01	58.62	57.75	58.57	59.15	59.70	57.20	56.50	57.89	58.03	55.84	54.60
	No. of vehicles obs.	140	163	116	154	24	9	76	57	42	32	34	25
	Average speed	54.34	56.06	54.32	56.03	54.42	56.44	52.58	53.67	54.86	54.75	49.76	52.28





TABLE 5 SPEED DATA

Station 9 Highway U.S. 35 Location 1.5 miles east of Junction of I-69  
 No. of Lanes 2 Type of Surface Asphalt Concrete Weather Clear  
 This Observation Last Previous Observation (Speed Report No. 94)  
 Date 3/23/76 Date 8/27/75  
 Time 10:40 - 1:40 PM Time 2:40 - 4:20 PM

		PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
All Vehicles	No. of vehicles obs.	287	310	257	270	30	40	123	126	64	76	59	50
	Ave. speed (m.p.h.)	56.97	56.05	57.05	56.06	56.20	56.00	56.22	53.66	56.42	54.54	56.00	52.32
	Standard deviation	5.843	5.466	5.861	5.398	5.732	5.979	5.427	5.533	5.474	5.639	5.414	5.137
	24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	39 m.p.h.	0.0	0.32	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	44 m.p.h.	2.44	1.29	2.33	0.74	3.33	5.00	1.63	7.94	1.56	6.58	1.69	10.0
	49 m.p.h.	5.57	8.71	5.84	8.15	3.33	12.50	9.76	18.25	9.38	14.47	10.17	24.0
	54 m.p.h.	35.19	37.74	33.46	37.78	50.00	37.50	34.96	55.56	29.69	48.68	40.68	66.0
	59 m.p.h.	73.17	80.97	72.76	81.48	76.67	77.50	78.86	87.30	85.94	84.21	71.19	92.0
	64 m.p.h.	91.29	93.23	91.44	93.33	90.00	92.50	94.31	97.62	95.31	96.05	93.22	100.0
	69 m.p.h.	96.86	97.42	96.89	97.41	96.67	97.50	98.37	99.21	96.88	98.68	100.0	100.0
	74 m.p.h.	99.65	99.35	99.61	99.26	100.0	100.0	99.19	100.0	98.44	100.0	100.0	100.0
	79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Bnd	No. of vehicles obs.	140	152	125	127	15	25	69	69	40	44	29	25
	Average speed	55.50	57.29	55.76	57.18	53.33	57.84	55.78	55.04	55.87	56.41	55.66	52.64
Bnd	No. of vehicles obs.	147	158	132	143	15	15	54	57	24	32	30	25
	Average speed	58.36	54.85	58.28	55.06	59.07	52.93	56.78	51.98	57.33	51.97	56.33	52.00



TABLE 6 SPEED DATA

Station 12 Highway S.R. 25 Location 0.7 miles west of Americus Weather Hazy  
 No. of Lanes 2 Type of Surface Asphalt Concrete  
 This Observation Last Previous Observation (Speed Report No. 94)  
 Date 2/19/76 Date 8/21/75  
 Time 11:00 - 1:40 PM Time 2:00 - 4:10 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	288	319	266	305	22	14	124	126	69	76	55	50
Ave. speed (m.p.h.)	57.30	56.66	57.25	56.70	57.91	55.79	55.72	55.25	57.14	55.80	53.93	54.40
Standard deviation	4.475	4.740	4.492	4.802	4.308	3.118	5.376	4.754	5.342	5.004	4.902	4.257
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.31	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.35	0.31	0.38	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	0.69	0.94	0.75	0.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	2.43	3.13	2.63	3.28	0.0	0.0	1.61	0.79	1.45	1.32	1.82	0.0
54 m.p.h.	25.69	34.17	26.32	34.43	18.18	28.57	39.52	48.41	27.54	42.11	54.55	58.00
59 m.p.h.	73.26	78.68	73.31	78.36	72.73	85.71	75.00	83.33	66.67	80.26	85.45	88.00
64 m.p.h.	93.06	95.61	93.61	95.41	86.36	100.0	95.16	96.83	92.75	96.05	98.18	98.00
69 m.p.h.	99.65	98.75	99.62	98.69	100.0	100.0	99.19	99.21	98.55	98.68	100.0	100.0
74 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	145	174	134	165	11	9	57	58	29	33	28	25
Average speed	57.25	56.45	57.37	56.48	55.82	55.89	57.04	56.43	58.34	56.88	55.68	55.84
No. of vehicles obs.	143	145	132	140	11	5	67	68	40	43	27	25
Average speed	57.36	56.90	57.14	56.95	60.00	55.60	54.60	54.24	56.27	54.98	52.11	52.96
All Vehicles												
End												
End												





TABLE 7 SPEED DATA

Station 14 Highway I-65 Location East of White River Weather Pt. Sunny  
 No. of Lanes 4 Type of Surface Portland Cement Concrete  
 This Observation Last Previous Observation (Speed Report No. 94)  
 Date 3/19/76 Date 9/18/75  
 Time 11:02 - 12:53 PM Time 10:32 - 12:35 PM

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
All Vehicles	No. of vehicles obs.	390	373	369	342	21	31	111	87	54	35	57	52
	Ave. speed (m.p.h.)	59.25	57.21	59.20	57.18	60.14	57.52	57.37	55.40	57.69	56.97	57.07	54.35
	Standard deviation	4.915	4.164	4.929	4.187	4.683	3.957	5.452	4.644	5.351	4.409	5.577	4.537
	24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	44 m.p.h.	0.26	0.0	0.27	0.0	0.0	0.0	0.90	1.15	1.85	0.0	0.0	1.92
	49 m.p.h.	1.79	1.61	1.90	1.75	0.0	0.0	0.31	11.49	3.70	2.86	8.77	17.31
	54 m.p.h.	14.87	25.47	15.18	25.15	9.52	29.03	27.93	33.33	24.07	22.86	31.58	40.38
	59 m.p.h.	55.64	72.39	56.37	72.81	42.86	67.74	66.67	86.21	64.81	74.29	68.42	94.23
	64 m.p.h.	87.44	96.78	87.80	96.49	80.95	100.0	90.99	97.70	90.74	94.29	91.23	100.0
of Vehicles travelling at or less than	69 m.p.h.	97.95	99.20	97.83	99.12	100.0	100.0	98.20	100.0	98.15	100.0	98.25	100.0
	74 m.p.h.	99.23	99.73	99.19	99.71	100.0	100.0	98.20	100.0	98.15	100.0	98.25	100.0
	79 m.p.h.	99.49	100.0	99.46	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Bnd	No. of vehicles obs.	182	197	171	183	11	14	55	49	24	23	31	26
	Average speed	59.24	57.75	59.20	57.72	59.73	58.07	57.02	55.55	58.13	57.13	56.16	54.15
	No. of vehicles obs.	208	176	198	159	10	17	56	38	30	12	26	26
Bnd	Average speed	59.27	56.61	59.20	56.56	60.60	57.06	57.71	55.21	57.33	56.67	58.15	54.54



TABLE 8 SPEED DATA

Station 1,2 _____	Interstate _____	Location See individual _____	Weather _____
No. of Lanes _____	Highway Rural _____	Type of Surface _____	
This Observation _____	Date _____	Last Previous Observation (Speed Report No.94) _____	
Date _____	Time _____	Date _____	
Time _____		Time _____	

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres-ent	Last	Last	Pres-ent	Last	Last	Pres-ent	Last	Last	Pres-ent	Last
No. of vehicles obs.	1155	661	672	481	483	180	468	211	162	306	108	103
Ave. speed (m.p.h.)	59.94	57.54	59.73	57.39	60.23	57.96	58.89	56.55	58.17	59.27	56.45	56.66
Standard deviation	4.821	4.760	4.827	4.931	4.802	4.254	4.606	4.723	4.591	4.575	4.446	5.017
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	0.09	0.30	0.0	0.42	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	1.30	3.48	1.49	4.37	1.04	1.11	1.92	5.21	3.09	1.31	3.70	6.80
54 m.p.h.	11.34	26.32	12.20	27.86	10.14	22.22	15.60	35.07	18.52	14.05	34.26	35.92
59 m.p.h.	47.19	68.08	49.55	69.44	43.89	64.44	56.84	72.51	64.20	52.94	76.85	67.96
64 m.p.h.	84.59	93.80	86.16	93.97	82.40	93.33	88.68	95.26	91.36	87.25	96.30	94.17
69 m.p.h.	96.97	98.49	96.88	98.34	97.10	98.89	98.29	99.05	98.77	98.04	99.07	99.03
74 m.p.h.	99.39	99.70	99.26	99.58	99.59	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	99.91	99.85	99.85	99.79	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	99.91	100.0	99.85	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

All Vehicles

# of vehicles  
traveling at or less  
than





TABLE 9 SPEED DATA

Station 6,8 Highway 4-lane, rural Location See individual stations Weather \_\_\_\_\_

No. of Lanes \_\_\_\_\_ Type of Surface \_\_\_\_\_

This Observation \_\_\_\_\_ Last Previous Observation (Speed Report No. 94) \_\_\_\_\_

Date \_\_\_\_\_ Date \_\_\_\_\_

Time \_\_\_\_\_ Time \_\_\_\_\_

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	No. of vehicles obs.	1143	680	887	583	256	97	490	224	186	123	304	101
	Ave. speed (m.p.h.)	57.66	57.82	57.55	57.69	58.07	58.64	56.06	56.04	56.37	56.96	55.87	54.91
	Standard deviation	5.494	5.020	5.609	5.103	5.067	4.426	6.523	5.959	6.687	6.337	6.425	5.278
	24 m.p.h.	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.89	0.0	1.63	0.99	0.0
	39 m.p.h.	0.26	0.0	0.23	0.0	0.39	0.0	2.45	0.89	2.15	1.63	2.63	0.0
	44 m.p.h.	1.40	0.59	1.47	0.69	1.17	0.0	4.90	3.13	4.30	1.63	5.26	4.95
	49 m.p.h.	6.47	4.71	7.10	5.15	4.30	2.06	13.88	11.61	13.98	9.76	13.82	13.86
	54 m.p.h.	25.28	24.56	25.82	25.56	23.44	18.56	36.53	37.95	38.17	34.96	35.53	41.58
	59 m.p.h.	65.27	64.56	66.29	66.21	61.72	54.64	69.30	74.11	68.82	66.67	70.39	83.17
	64 m.p.h.	91.16	91.91	91.54	92.11	89.84	90.72	93.06	91.96	90.32	87.80	94.74	97.03
# of vehicles traveling at or less than	69 m.p.h.	98.51	98.82	98.42	98.80	98.83	98.97	98.16	99.11	97.31	98.37	98.68	100.0
	74 m.p.h.	99.65	100.0	99.55	100.0	100.0	100.0	99.80	100.0	99.46	100.0	100.0	100.0
	79 m.p.h.	99.83	100.0	99.77	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	84 m.p.h.	99.91	100.0	99.89	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	89 m.p.h.	99.91	100.0	99.89	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



TABLE 10 SPEED DATA

Station <u>9,12</u>	Highway <u>2-lane, rural</u>	Location <u>See individual stations</u>	Weather _____
No. of Lanes _____	Type of Surface _____		
This Observation Date _____ Time _____	Last Previous Observation (Speed Report No. <u>94</u> ) Date _____ Time _____		

	OBSERVATION	PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
All Vehicles	No. of vehicles obs.	1140	629	1019	575	121	54	476	252	240	152	236	100
	Ave. speed (m.p.h.)	57.76	56.36	57.80	56.39	57.42	55.94	56.88	54.45	57.52	55.17	56.22	53.36
	Standard deviation	5.460	5.116	5.512	5.096	5.006	5.357	6.125	5.209	6.257	5.351	5.931	4.808
	24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	34 m.p.h.	0.0	0.16	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	39 m.p.h.	0.18	0.32	0.20	0.35	0.0	0.0	0.21	0.0	0.42	0.0	0.0	0.0
	44 m.p.h.	1.14	1.11	1.18	0.87	0.83	3.70	1.89	4.37	1.67	3.95	2.12	5.00
	49 m.p.h.	4.74	5.88	5.00	5.57	2.48	9.26	10.92	14.68	10.42	11.84	11.44	19.00
	54 m.p.h.	27.37	35.93	26.89	36.00	31.40	35.19	32.56	51.98	25.83	45.39	39.41	62.00
# of vehicles traveling at or less than	59 m.p.h.	66.93	79.81	66.14	79.83	73.55	79.63	69.54	85.32	68.75	82.24	70.34	90.00
	64 m.p.h.	90.18	94.44	90.09	90.43	90.91	94.44	90.76	97.22	90.83	96.05	90.68	99.00
	69 m.p.h.	97.89	98.09	98.04	98.09	96.69	98.15	97.48	99.21	96.25	98.68	98.73	100.0
	74 m.p.h.	99.56	99.68	99.51	99.65	100.0	100.0	99.16	100.0	98.33	100.0	100.0	100.0
	79 m.p.h.	99.91	100.0	99.90	100.0	100.0	100.0	99.79	100.0	99.58	100.0	100.0	100.0
	84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0





TABLE 11. SPEED DATA

Station 1-14	Highway Indiana system	Location	See individual stations	Weather
No. of Lanes	Type of Surface			
This Observation		Last Previous Observation (Speed Report No. 94)		
Date		Date		
Time		Time		

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	4140	2343	3119	1981	1021	362	1654	774	665	418	989	356
Ave. speed (m.p.h.)	58.72	57.25	58.48	57.15	59.46	57.80	57.44	55.59	57.47	56.18	57.42	54.90
Standard deviation	5.15	4.878	5.417	4.936	4.922	4.519	5.809	5.315	5.927	5.422	5.735	5.109
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.04	0.0	0.05	0.0	0.0	0.18	0.26	0.0	0.48	0.30	0.0
39 m.p.h.	0.12	0.09	0.13	0.10	0.10	0.0	0.79	0.26	0.75	0.48	0.81	0.0
44 m.p.h.	0.77	0.55	0.87	0.56	0.49	0.55	2.06	2.45	1.95	1.91	2.12	3.09
49 m.p.h.	3.72	4.18	4.33	4.49	1.86	2.49	8.22	10.85	8.72	8.37	7.89	13.76
54 m.p.h.	19.57	28.25	21.03	29.08	15.08	23.76	26.90	41.21	26.47	37.56	27.20	45.51
59 m.p.h.	57.46	70.89	59.86	72.08	50.15	64.36	63.78	78.68	66.17	75.60	62.18	82.30
64 m.p.h.	87.90	93.90	88.84	93.99	85.01	93.37	91.05	95.22	90.98	93.54	91.10	97.19
69 m.p.h.	97.75	98.59	97.76	98.54	97.75	98.90	98.13	99.22	97.44	98.80	98.58	99.72
74 m.p.h.	99.47	99.79	99.36	99.75	99.80	100.0	99.58	100.0	99.10	100.0	99.90	100.0
79 m.p.h.	99.83	99.96	99.78	99.95	100.0	100.0	99.94	100.0	99.85	100.0	100.0	100.0
84 m.p.h.	99.95	100.0	99.94	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	99.98	100.0	99.97	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

All Vehicles

% of vehicles  
traveling at or less  
than



## APPENDIX B

Speed Data Summary as Furnished FHWA  
For Quarterly Speed Monitoring  
(Tables 12 to 19)



TABLE 12

Monitoring of Speed  
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending March 31, 1976

or

☐ Annual Report--Year Ending \_\_\_\_\_\*Mileage not yet reduced by  
mileage with less than 55 mph  
limitSTATE Indiana

	Miles *	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	223	1	460	2 hours each site	56.9	56.3	60.6	65	18	3
Interstate Rural	849	2	872	2 hours each site	57.3	56.7	61.5	65	23	5
Multi-lane, Divided	688	2	904	2 hours each site	57.4	56.9	61.9	66	27	7
Multi-lane, Undivided	--	--	--	--	--	--	--	--	--	--
2-Lane, Rural	8791	2	881	2 hours each site	55.8	55.2	59.9	51	15	4
State Total	10551	7	3117	14 hours	--	--	--	--	--	--



TABLE 13

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	Interstate, Urban
STATION NUMBER 14	LOCATION I-65 (East of White River)
NUMBER OF SESSIONS 1	DATES 3/19/76 VEHICLES MEASURED 460
AVERAGE SPEED (MPH)	56.9 STANDARD DEVIATION (MPH) 4.3
MEDIAN SPEED (MPH)	56.3 85TH PERCENTILE SPEED (MPH) 60.6
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH:	65 60 MPH: 18 65 MPH: 3





TABLE 14

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	<u>Interstate, Rural</u>		
STATION NUMBER	<u>1</u>	LOCATION	<u>I-69 (3.3 miles south of Junction of SR 18)</u>
NUMBER OF SESSIONS	<u>1</u>	DATES	<u>3/23/76</u> VEHICLES MEASURED <u>425</u>
AVERAGE SPEED (MPH)	<u>57.2</u>	STANDARD DEVIATION (MPH)	<u>4.4</u>
MEDIAN SPEED (MPH)	<u>56.6</u>	85TH PERCENTILE SPEED (MPH)	<u>60.2</u>
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	<u>66</u>	60 MPH:	<u>19</u> 65 MPH: <u>4</u>



TABLE 15

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	Interstate, Rural		
STATION NUMBER	2	LOCATION	I-65 (1.0 mile west of Junction of SR 334)
NUMBER OF SESSIONS	1	DATES	2/10/76
		VEHICLES MEASURED	447
AVERAGE SPEED (MPH)	57.4	STANDARD DEVIATION (MPH)	5.1
MEDIAN SPEED (MPH)	56.9	85TH PERCENTILE SPEED (MPH)	62.1
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	63	60 MPH:	26
		65 MPH:	6



TABLE 16

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-lane, Divided (Rural)  
 STATION NUMBER 6 LOCATION U.S. 30 (2.0 miles east of Junction of SR 49)  
 NUMBER OF SESSIONS 1 DATES 3/18/76 VEHICLES MEASURED 423  
 AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION (MPH) 4.6  
 MEDIAN SPEED (MPH) 57.4 85TH PERCENTILE SPEED (MPH) 61.8  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH: 73 60 MPH: 29 65 MPH: 5



TABLE 17

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-lane, Divided (Rural)

STATION NUMBER 8 LOCATION U.S. 52 (1.0 mile west of Klondike)

NUMBER OF SESSIONS 1 DATES 3/26/76 VEHICLES MEASURED 481

AVERAGE SPEED (MPH) 56.9 STANDARD DEVIATION (MPH) 5.9

MEDIAN SPEED (MPH) 56.4 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH: 60 60 MPH: 26 65 MPH: 8





TABLE 18

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-lane, Rural  
 STATION NUMBER 9 LOCATION U.S. 35 (1.5 miles east of Junction of I-69)  
 NUMBER OF SESSIONS 1 DATES 3/23/76 VEHICLES MEASURED 436  
 AVERAGE SPEED (MPH) 55.4 STANDARD DEVIATION (MPH) 5.6  
 MEDIAN SPEED (MPH) 54.7 85TH PERCENTILE SPEED (MPH) 59.7  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH: 47      60 MPH: 14      65 MPH: 4



TABLE 19

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	<u>Two-lane, Rural</u>		
STATION NUMBER	<u>12</u>	LOCATION	<u>S.R. 25 (0.7 miles west of Americus)</u>
NUMBER OF SESSIONS	<u>1</u>	DATES	<u>2/19/76</u> VEHICLES MEASURED <u>445</u>
AVERAGE SPEED (MPH)	<u>56.2</u>	STANDARD DEVIATION (MPH)	<u>4.8</u>
MEDIAN SPEED (MPH)	<u>55.7</u>	85TH PERCENTILE SPEED (MPH)	<u>60.2</u>
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH:	<u>56</u>	60 MPH:	<u>15</u> 65 MPH: <u>4</u>





COVER DESIGN BY ALDO GIORGINI